

Page 8, line 1, delete "Sabouraud" and insert -  
-Sabouraud's--.

In the Claims

-16- (Amended)

A method for treatment of Pythiosis in human patients having the disease which comprises:

(a) providing a vaccine containing a mixture of [separated] proteins of *Pythium insidiosum* in a sterile aqueous solution, wherein the mixture of proteins is (1) of mixed intracellular proteins removed from disrupted cells of the Pythium insidiosum grown in a culture medium and (2) of mixed extracellular proteins from the culture medium for growing the Pythium insidiosum; and

(b) vaccinating the patient with the vaccine.

(7 Substantive of 16)

A method for the treatment of Pythiosis in a mammal having the disease which comprises:

(a) providing an injectable vaccine derived from growing cells of *Pythium insidiosum* in a culture medium which comprises in a sterile aqueous solution in admixture:

(1) [an] mixed intracellular proteins removed [separated] from disrupted cells of the *Pythium insidiosum*; and

(2) mixed extracellular proteins removed from a supernatant from growing the cells of the *Pythium insidiosum*; and

(b) vaccinating the mammal with the vaccine.

-19- (Amended)

B4  
D3  
JNO  
5 The method of Claim 18 wherein [in] the removed  
proteins have been provided by growing cells of the  
*Pythium insidiosum* in the [a] culture medium, then  
killing the cells, then separating the killed cells from  
the culture medium to produce a first supernatant  
containing the mixed extracellular proteins and then  
disrupting the killed cells in sterile water to provide  
the mixed intracellular proteins in a second supernatant  
and removing the mixed intracellular proteins from the  
10 disrupted cells [which have separated] and removing [(2)  
separating] the mixed extracellular proteins from the  
first supernatant.

20) disruption is by sonication

-21- (amended)

B5  
The method of Claim 18 wherein the *Pythium*  
*insidiosum* is deposited as ATCC 74446 [58643].

-22- (Amended)

The method of any one of Claims 19, 20 or 21  
wherein the culture medium is Sabouraud's [Sabouraud]  
dextrose broth.

23 killed w/ the removal of

-24- (Amended)

*B4 Jno D*

The method of Claim 19 wherein the disrupted cells are removed [separated] from the culture medium for the cells by centrifugation to provide the mixed intracellular proteins in the second supernatant.